

N^o 23,736



A.D. 1903

(Under International Convention.)

*Date claimed for Patent under Patents Act, 1901,
being date of first Foreign Application (in } 1st Apr., 1903
United States),*

Date of Application (in the United Kingdom), 2nd Nov., 1903

Accepted, 3rd Dec., 1903

COMPLETE SPECIFICATION.

Improvements in Nasal Inhalers.

I, CHARLES KINNEY TETER, of Upper Sandusky, in the County of Wyandot and State of Ohio, United States of America, Physician, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:

5 My invention relates to nasal inhalers, and had for its object to construct a device for administering gas through the nose.

The simple and novel construction employed by me in carrying out my invention is fully described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

- 10 Figure 1 is a perspective of my device;
Figure 2 is a longitudinal section thereof;
Figure 3 is a transverse section thereof.

The numeral 1 designates a cup formed of stiff rubber and having its edges rounded off on a compound curve to adapt it to fit over the nose of the patient
15 and rest on the upper lip and bridge of the nose. The cup 1 is mounted in a metallic cup 2, having an aperture 3 therein to accommodate an open thimble 4, provided with a rim 5 on one end and threaded at 6 on the other. The rim 5 engages the edge of an aperture 1^a, formed in the cup 1, and a threaded cap 7 fits the threads 6 and clamps the cup 1 firmly in place. The cap 7 is
20 perforated at 8 to permit exhalation, and a plunger 9 is inclosed within the cap and has a stem 10, which is slidingly mounted in an aperture in the top 11 of the cap 7 and bears an adjustable head 12, which limits the inward movement of the stem. A spring 13 bears on the plunger and holds it normally depressed and in position to limit the upward movement of a thin disk 14, which fits
25 over the bore in the thimble 4 and serves as a valve to permit exhalation, but prevent inhalation.

To enable a flexible tube to be attached to the inhaler, a nipple 15 is provided which fits over a thimble 16, bearing a rim 17, which engages the inner edges of an aperture 17^a, formed in the cup 1. Yokes 18, attached to opposite
30 sides of the cup 2, serve as attachments for elastic bands 19, secured together by a buckle 20. When in use, the cup 1 is placed over the nose and the bands 19 passed around the head and secured by the buckle 20. A flexible gas-tube is then slipped over the nipple and the gas turned on.

[Price 8d.]

Teter's Improvements in Nasal Inhalers.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

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1. In an inhaler, the combination of a flexible cup having its edges rounded off on a curve to adapt it to fit over the nose of a patient and rest on his upper lip and the bridge of his nose, a nipple connected to one side of said cup to provide an attachment for a gas tube, a thimble connected to the top of said cup, a valve mounted over the open end of said thimble, and an adjustable spring-actuated plunger located to serve as a stop to limit the movement of said valve, substantially as described. 10

2. In an inhaler, the combination of a flexible cup adapted to fit over the nose alone of a patient, gas connections for said cup, a thimble mounted in an aperture in the top of said cup, a perforated cap fitting over said thimble, a disk mounted within said cap and located to cover said thimble, a plunger adjustably mounted within said cap in position to limit the movement of said disk which serves as a valve to permit exhalation, substantially as described. 15

Dated this 2nd day of Nov. 1903.

BOULT, WADE & KILBURN, 20
Agents for the Applicant.

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Fig. 1--

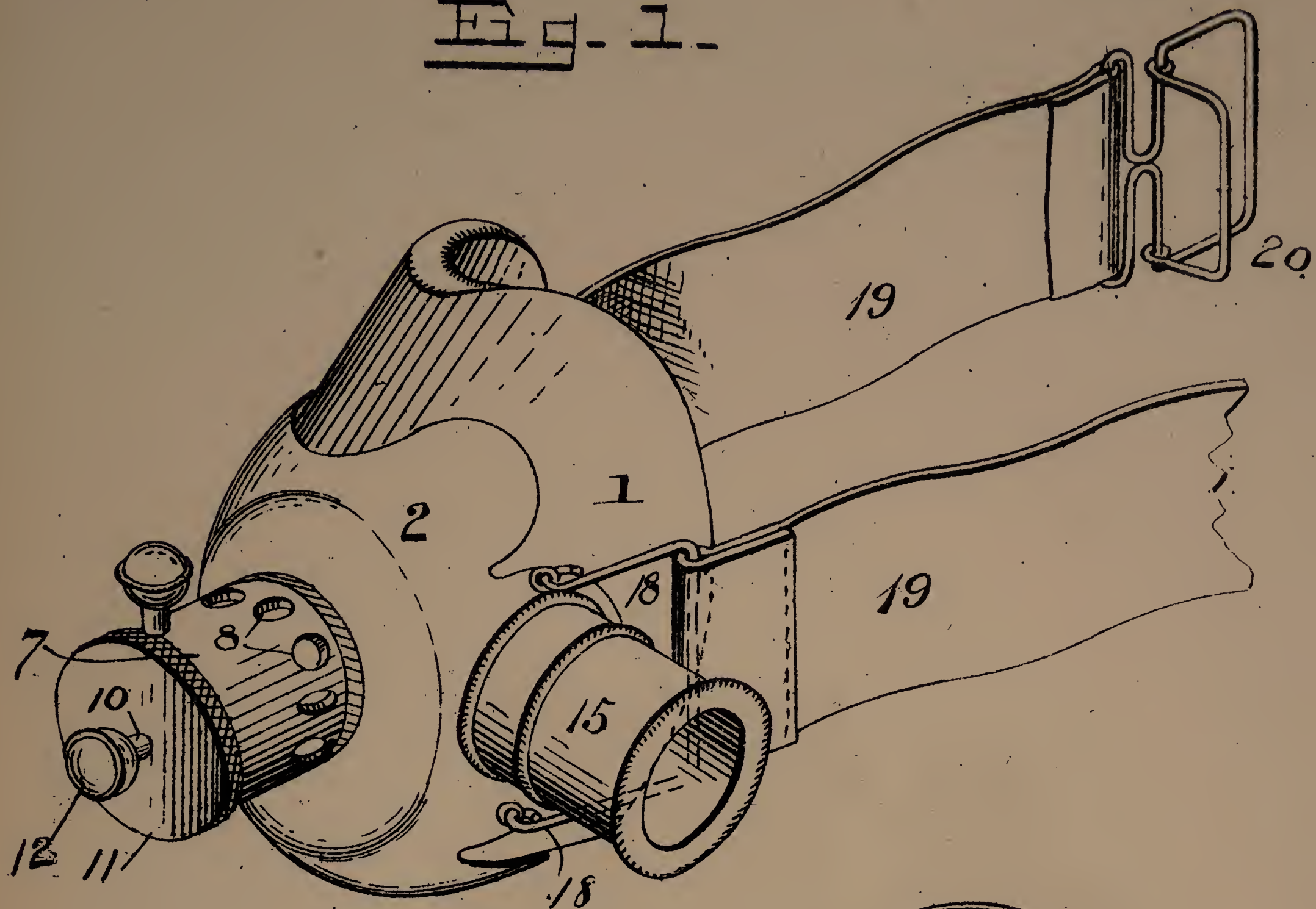


Fig. 2--

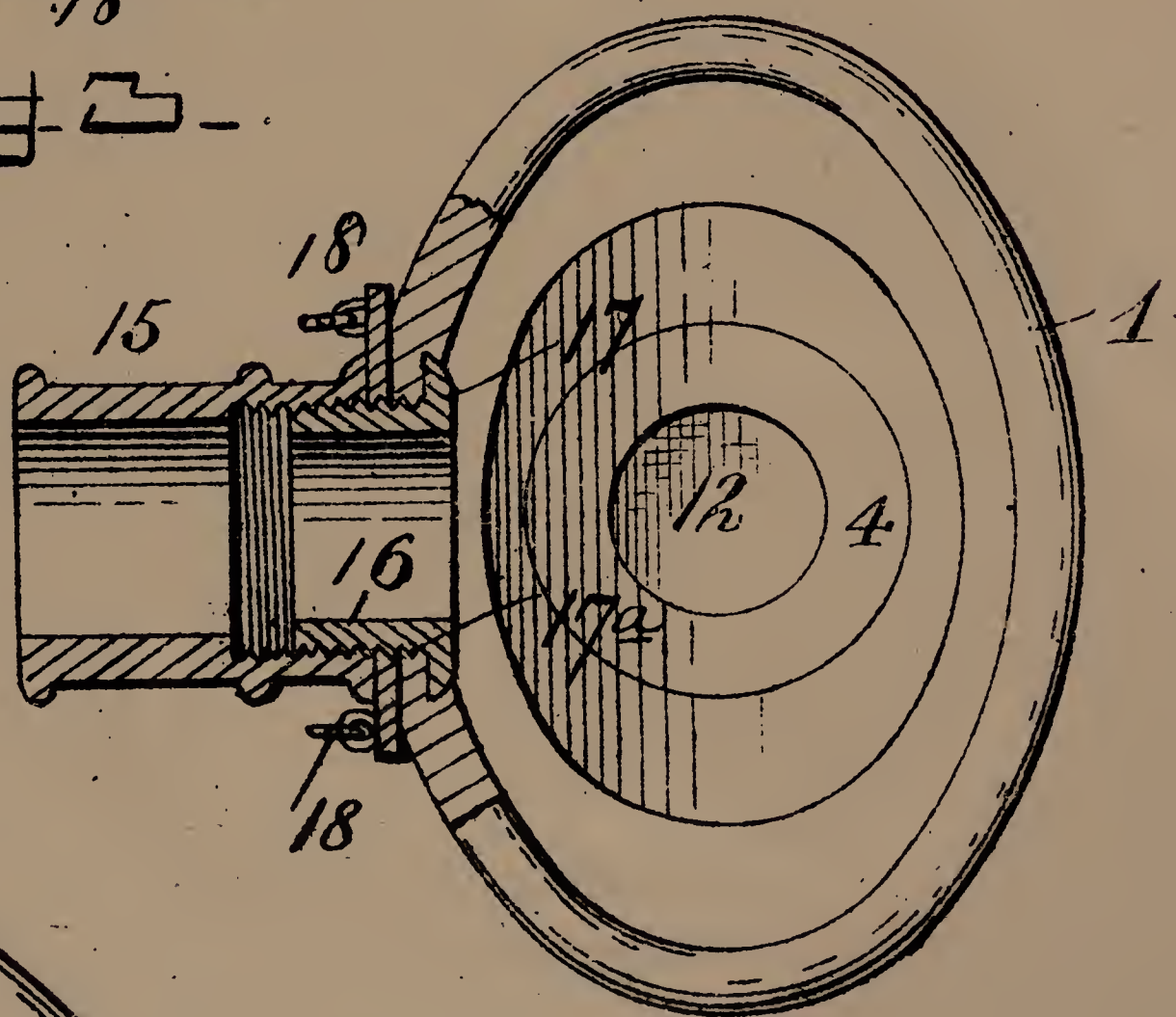
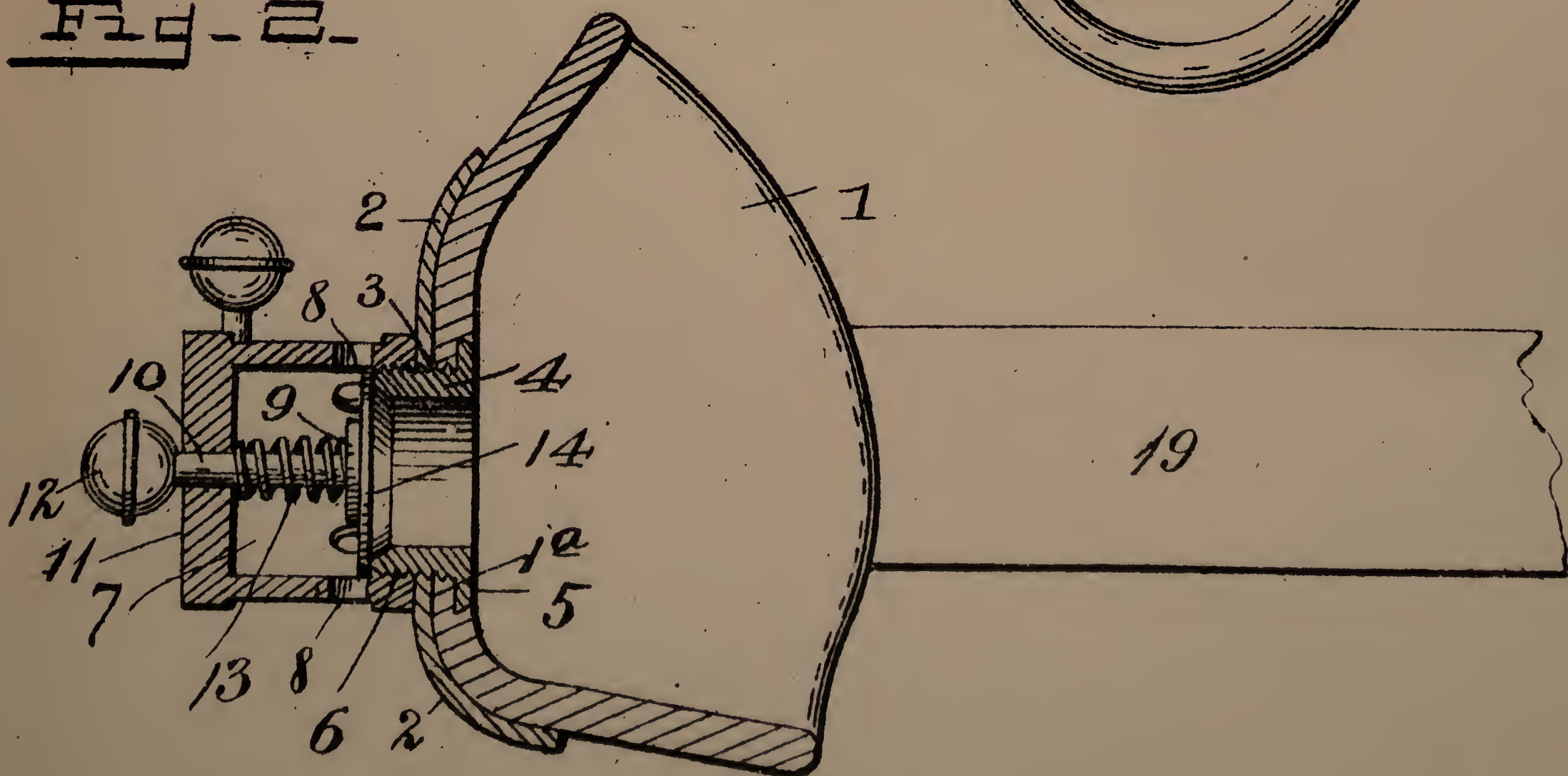


Fig. 3--



[This Drawing is a reproduction of the Original on a reduced scale.]

